# Conventional atom probe specimen geometry 1-10 mm Buried 20-100 µm microtip Raised microtip

LEAP SPECIMEN GEOMETRIES

Fig. 1B

PRIOR ART

Fig. 1A

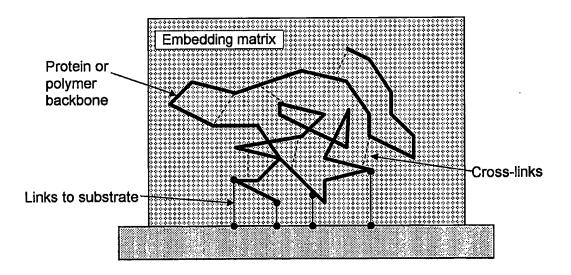


Fig. 2

## Specimen Preparation and Analysis

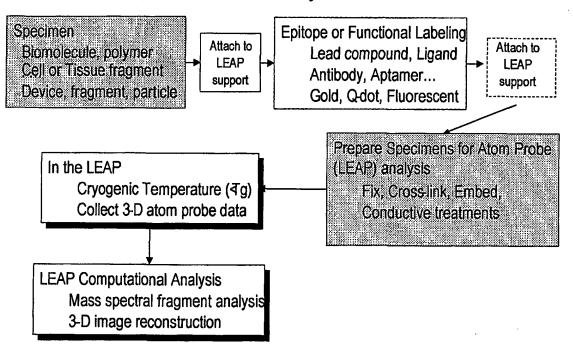


Fig. 3

### PREPARATION OF BIOMOLECULAR SPECIMENS

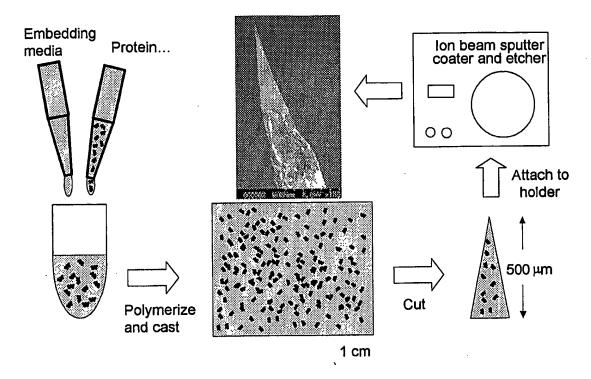


Fig. 4

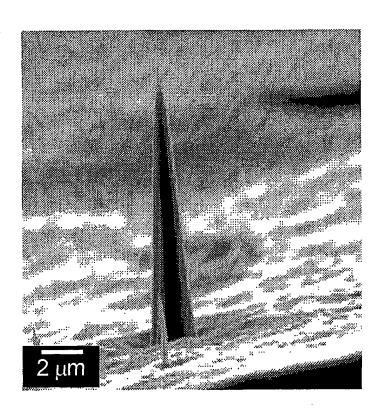


Fig. 5

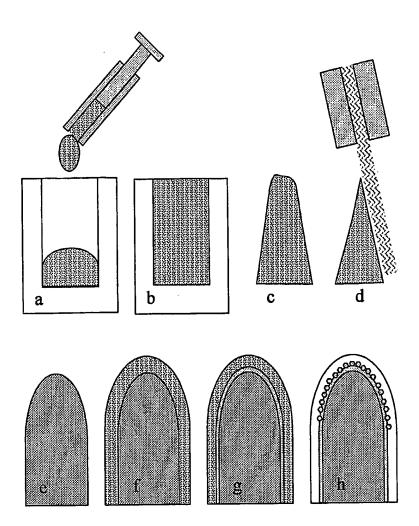


Fig. 6

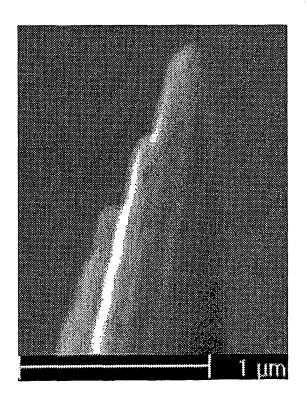


Fig. 7

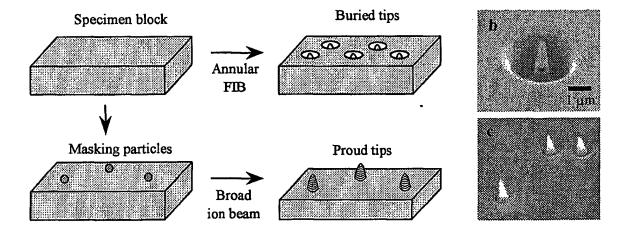


Fig. 8

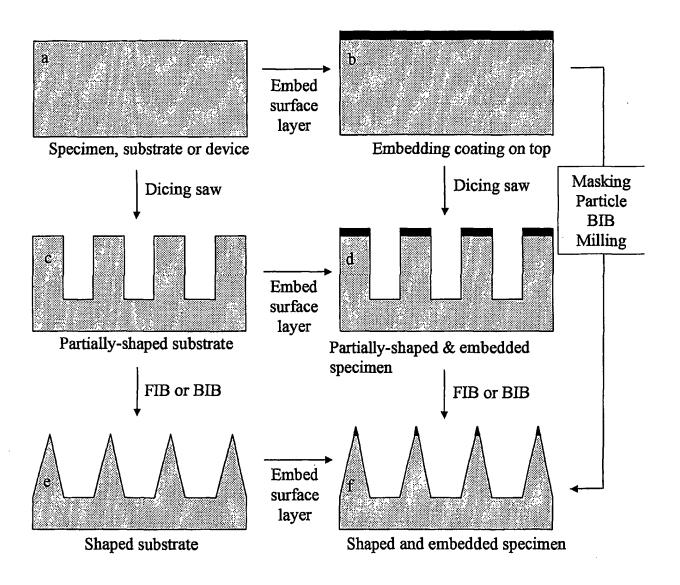
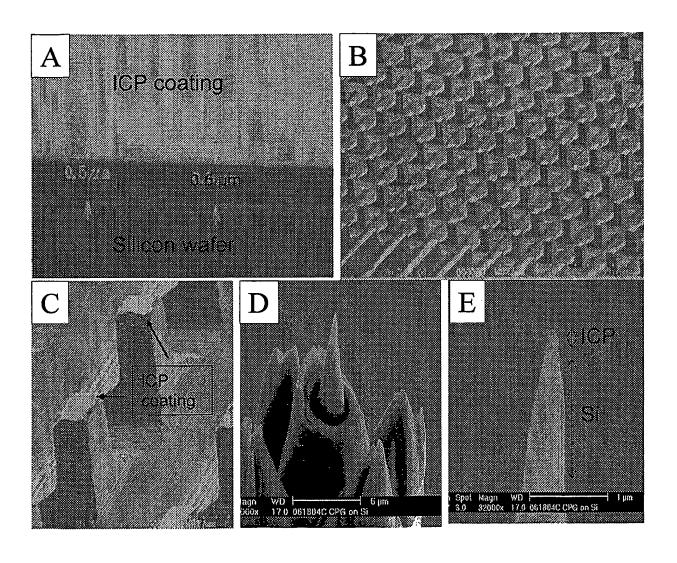


Fig. 9



Figs. 10A, 10B, 10C, 10D, and 10E

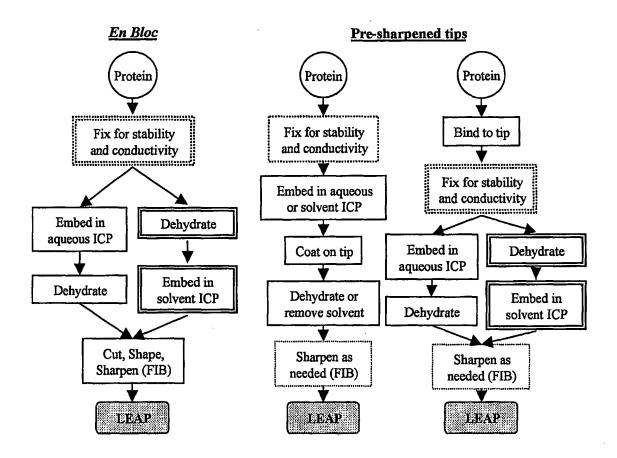


Fig. 11

# LEAP analysis of graphite

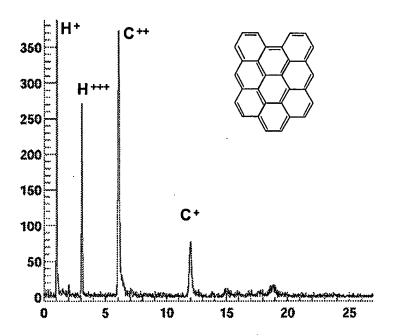


Fig. 12

### LEAP ANALYSIS OF PYROLYTIC CARBON HEART VALVE

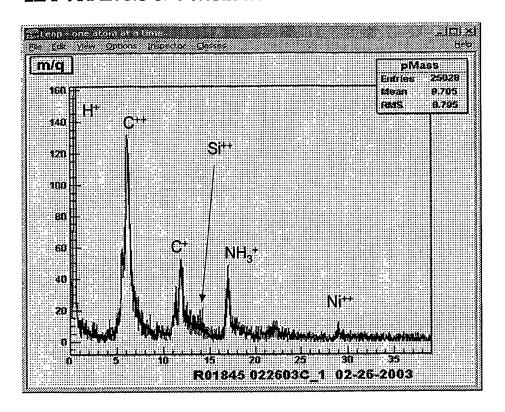
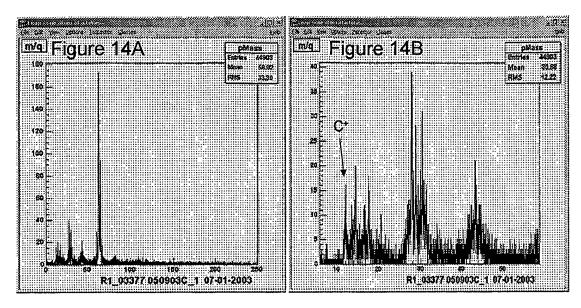
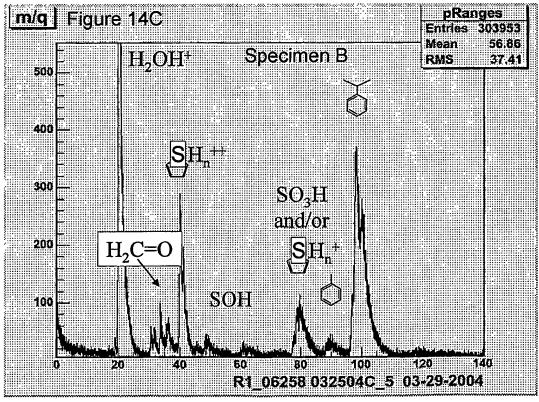


Fig. 13





Figs. 14A, 14B, and 14C

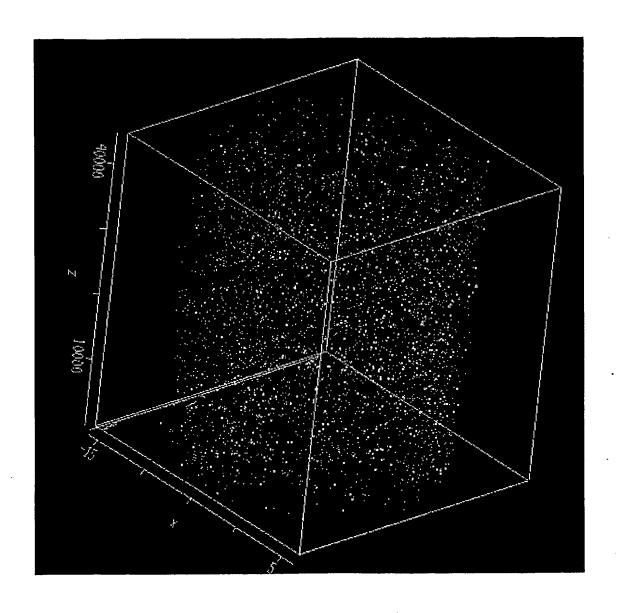


Fig. 15

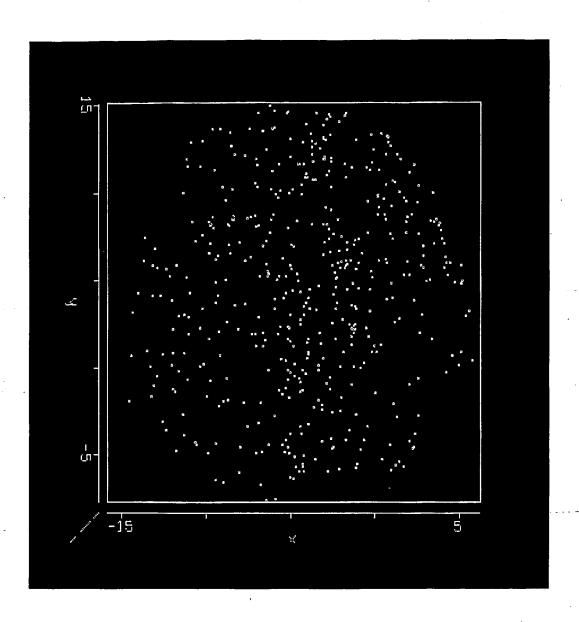
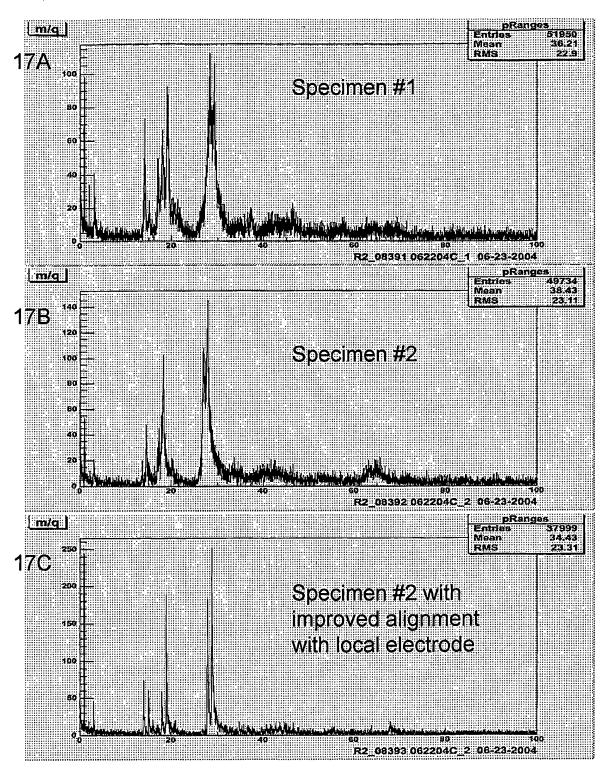
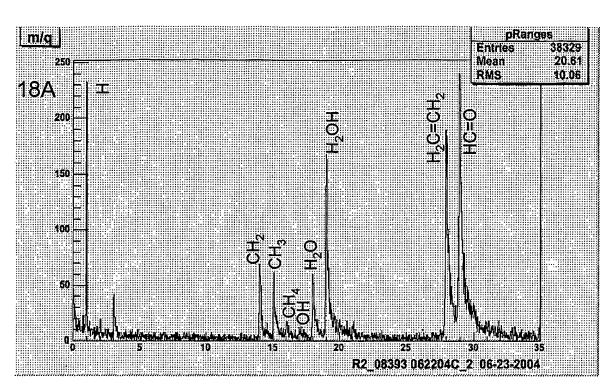
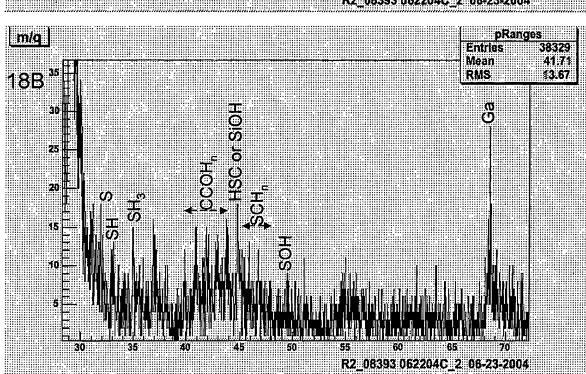


Fig. 16



Figs. 17A, 17B, and 17C





Figs. 18A and 18B

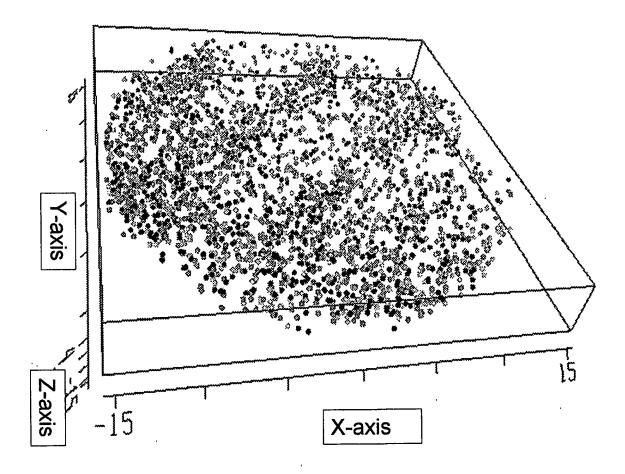


Fig. 19

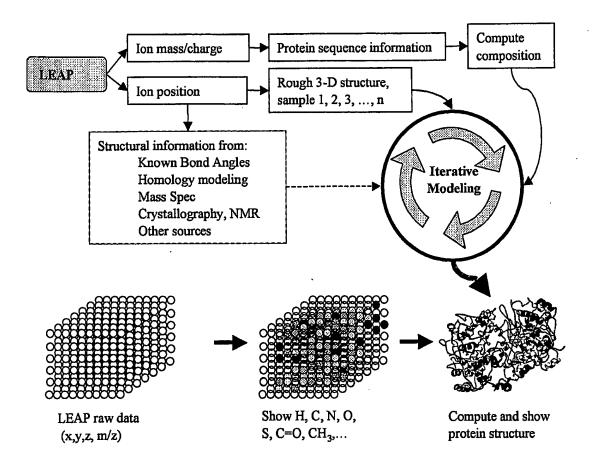


Fig. 20